

Amendments to the Claims

This Listing of Claims will replace all prior versions and listings of claims in the application.

Please amend claims 51, 55-57, and 63. Please cancel non-elected claims 1-50, 59, and 64-98 and claims 52-54 and 60-62.

Listing of Claims

1. – 50. (Cancelled)

51. (Currently Amended) An isolated polynucleotide that encodes at least ten consecutive amino acids of a polypeptide having comprising a an amino acid sequence corresponding to set forth in SEQ ID NO:21.

52. – 54. (Cancelled)

55. (Currently Amended) An isolated polynucleotide that encodes a polypeptide capable of dephosphorylating an activated mitogen-activated protein kinase (MAP-kinase), said isolated polynucleotide comprising a sequence at least 90% identical to SEQ ID NO:20, wherein the polypeptide comprises an amino acid sequence VHCLAGISRS (SEQ ID NO:16) according to claim 50.

56. (Currently Amended) A An isolated polynucleotide according to claim 55, comprising the sequence reited set forth in SEQ ID NO:20.

57. (Currently Amended) An expression vector comprising a polynucleotide according to any one of claims 51, 55, and 56.

58. (Original) A host cell transformed or transfected with an expression vector according to claim 57.

59. – 62. (Cancelled)

63. (Currently Amended) A method of producing a DSP-16 alternate form polypeptide that is selected from the group consisting of (i) a polypeptide comprising an amino acid sequence set forth in SEQ ID NO:21, and (ii) a polypeptide that comprises an amino acid sequence VHCLAGISRS (SEQ ID NO:16), is capable of dephosphorylating an activated mitogen-activated protein kinase (MAP-kinase), and is encoded by a polynucleotide comprising a sequence at least 90% identical to SEQ ID NO:20, comprising the steps of:

- (a) culturing a host cell according to claim 58 under conditions that permit expression of the DSP-16 alternate form polypeptide; and
- (b) isolating DSP-16 alternate formthe polypeptide from the host cell culture.

64. – 98. (Cancelled)